

Exhibit F

502072477 09/24/2012

PATENT ASSIGNMENT

Electronic Version v1.1
Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Gregory G. Raleigh	09/21/2012
RECEIVING PARTY DATA	
Name:	Headwater Partners I, LLC
Street Address:	350 Marine Parkway, Suite 300
City:	Redwood Shores
State/Country:	CALIFORNIA
Postal Code:	94065
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	13615217
CORRESPONDENCE DATA	
Fax Number:	
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	650-517-2791
Email:	ann.taylor@headwaterllc.com
Correspondent Name:	Ann Taylor
Address Line 1:	350 Marine Parkway, Suite 300
Address Line 4:	Redwood Shores, CALIFORNIA 94065
ATTORNEY DOCKET NUMBER:	RALEP004C1
NAME OF SUBMITTER:	Ann Taylor
Total Attachments: 1 source=P004C1Assign#page1.tif	

CH \$40.00 13615217

502072477

PATENT
REEL: 029014 FRAME: 0139

ASSIGNMENT OF PATENT APPLICATION

Whereas I/we the undersigned inventor(s) have invented certain new and useful improvements as set forth in the patent application entitled:

VERIFIABLE DEVICE ASSISTED SERVICE USAGE BILLING WITH INTEGRATED ACCOUNTING, MEDIATION ACCOUNTING, AND MULTI-ACCOUNT

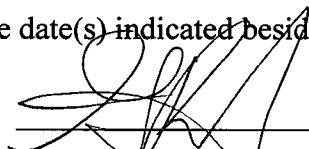
for which I (we) have executed an application for a United States Letters patent which was filed in the U.S. Patent and Trademark Office on September 13, 2012, and which bears the Application No. 13/615,217, and I (we) authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and serial number of said application when known;

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/We the undersigned inventor(s) hereby:

1. Sell(s), assign(s) and transfer(s) to Headwater Partners I, LLC, a Delaware Limited Liability Company having a principal place of business at 350 Marine Parkway, #300, Redwood City, CA 94065 (hereinafter referred to as "Assignee"), the entire right, title, and interest in any and all improvements and inventions disclosed in, application(s) (including foreign applications) based upon, and Patent(s) (including foreign patents) granted upon the information which is disclosed in the above-referenced application and/or in any provisional application to which the above-referenced application claims priority.
2. Authorize and request the Commissioner of Patents to issue any and all Letters Patents resulting from said application or any division(s), continuation(s), substitute(s) or reissue(s) thereof to the Assignee.
3. Agree to execute all papers and documents and, entirely at the Assignee's expense, perform any acts which are reasonably necessary in connection with the prosecution of said application, as well as any derivative applications thereof, foreign applications based thereon, and/or the enforcement of patents resulting from such applications.
4. Agree that the terms, covenants and conditions of this assignment shall inure to the benefit of the Assignee, its successors, assigns and other legal representative, and shall be binding upon the inventor(s), as well as the inventor's heirs, legal representatives, and assigns.
5. Warrant and represent that I/we have not entered, and will not enter into any assignment, contract, or understanding that conflicts with this assignment.

Signed on the date(s) indicated beside my (our) signature(s).

Signature:



Gregory G. Raleigh

Date:

9/21/2012

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4210269

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	MERGER AND CHANGE OF NAME	
EFFECTIVE DATE:	12/29/2016	
CONVEYING PARTY DATA		
	Name	Execution Date
	HEADWATER PARTNERS I LLC	12/29/2016
NEWLY MERGED ENTITY DATA		
	Name	Execution Date
	HEADWATER MANAGEMENT LLC	12/29/2016
MERGED ENTITY'S NEW NAME (RECEIVING PARTY)		
Name:	HEADWATER RESEARCH LLC	
Street Address:	1011 PRUITT PLACE	
City:	TYLER	
State/Country:	TEXAS	
Postal Code:	75703	
PROPERTY NUMBERS Total: 56		
Property Type	Number	
Patent Number:	8023425	
Patent Number:	8250207	
Patent Number:	8275830	
Patent Number:	8321526	
Patent Number:	8326958	
Patent Number:	8331901	
Patent Number:	8340634	
Patent Number:	8346225	
Patent Number:	8351898	
Patent Number:	8355337	
Patent Number:	8385916	
Patent Number:	8391834	
Patent Number:	8396458	
Patent Number:	8402111	
Patent Number:	8406733	

Property Type	Number
Patent Number:	8406748
Patent Number:	8437271
Patent Number:	8441989
Patent Number:	8467312
Patent Number:	8478667
Patent Number:	8516552
Patent Number:	8527630
Patent Number:	8531986
Patent Number:	8548428
Patent Number:	8570908
Patent Number:	8583781
Patent Number:	8588110
Patent Number:	8589541
Patent Number:	8606911
Patent Number:	8626115
Patent Number:	8630192
Patent Number:	8630611
Patent Number:	8630617
Patent Number:	8630630
Patent Number:	8631102
Patent Number:	8634805
Patent Number:	8635335
Patent Number:	8635678
Patent Number:	8639811
Patent Number:	8639935
Patent Number:	8640198
Patent Number:	8666364
Patent Number:	8667571
Patent Number:	8688099
Patent Number:	8695073
Patent Number:	8713630
Patent Number:	8724554
Patent Number:	8725123
Patent Number:	8737957
Patent Number:	8745191
Patent Number:	8745220
Patent Number:	8788661
Patent Number:	8793758

Property Type	Number
Patent Number:	8797908
Patent Number:	8799451
Patent Number:	8832777

CORRESPONDENCE DATA

Fax Number:

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 903-201-6211

Email: patent@headwaterllc.com

Correspondent Name: ANN TAYLOR

Address Line 1: 1011 PRUITT PLACE

Address Line 4: TYLER, TEXAS 75703

NAME OF SUBMITTER:	ANN TAYLOR
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SIGNATURE:	/Ann Taylor/
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DATE SIGNED:	01/04/2017
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Total Attachments: 3

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Delaware

The First State

Page 1

I, JEFFREY W. BULLOCK, SECRETARY OF STATE OF THE STATE OF
DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT
COPY OF THE CERTIFICATE OF MERGER, WHICH MERGES:

"HEADWATER PARTNERS I LLC", A DELAWARE LIMITED LIABILITY
COMPANY,

WITH AND INTO "HEADWATER MANAGEMENT LLC" UNDER THE NAME OF
"HEADWATER RESEARCH LLC", A LIMITED LIABILITY COMPANY ORGANIZED
AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, AS
RECEIVED AND FILED IN THIS OFFICE ON THE TWENTY-NINTH DAY OF
DECEMBER, A.D. 2016, AT 3:02 O`CLOCK P.M.



A handwritten signature in black ink, appearing to read "JB", is written over a horizontal line. Below the line, the text "Jeffrey W. Bullock, Secretary of State" is printed in a small font.

4966025 8100M
SR# 20167326785

You may verify this certificate online at corp.delaware.gov/authver.shtml

Authentication: 203606635
Date: 12-29-16

PATENT
REEL: 041248 FRAME: 0684

State of Delaware
Secretary of State
Division of Corporations
Delivered 03:02 PM 12/29/2016
FILED 03:02 PM 12/29/2016

SR 20167326785 - File Number 4966025

CERTIFICATE OF MERGER**MERGING**

**HEADWATER PARTNERS I LLC
A DELAWARE LIMITED LIABILITY COMPANY**

WITH AND INTO

**HEADWATER MANAGEMENT LLC
A DELAWARE LIMITED LIABILITY COMPANY**

Pursuant to Section 18-209 of the Delaware Limited Liability Company Act

Headwater Management LLC, a Delaware limited liability company (the “**LLC**”), does hereby certify as follows:

FIRST: The LLC is a limited liability company duly formed and existing under the laws of the State of Delaware and Headwater Partners I LLC (the “**Company**”) is a limited liability company duly formed and existing under the laws of the State of Delaware.

SECOND: The Agreement and Plan of Merger (the “**Merger Agreement**”), dated as of December 29, 2016, by and among the Company and the LLC, setting forth the terms and conditions of the merger of the Company with and into the LLC (the “**Merger**”), has been approved, adopted, certified, executed and acknowledged by the LLC and the Company in accordance with Section 18-209 of the Delaware Limited Liability Company Act.

THIRD: The LLC shall be the surviving entity of the Merger (the “**Surviving LLC**”) and the name of the Surviving LLC shall be changed to “Headwater Research LLC”.

FOURTH: The executed Merger Agreement is on file at the principal place of business and office of the Surviving LLC at the following address: 1011 Pruitt Place, Tyler, Texas 75703.

FIFTH: A copy of the Merger Agreement will be furnished by the Surviving LLC, on request and without cost, to any member of the Company or the LLC.

SIXTH: The Merger shall be effective upon the filing of this Certificate of Merger with the Secretary of State of the State of Delaware.

* * *

IN WITNESS WHEREOF, Headwater Management LLC has caused this Certificate of Merger to be executed by an authorized person on December 29, 2016.

HEADWATER MANAGEMENT LLC

By: /s/ Greg Raleigh

Name: Greg Raleigh

Title: Manager

[Signature Page to Certificate of Merger]